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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: Ken IZUMORI et al.

Group Art Unit: 1653

Serial Number: 10/541,822

Examiner: Not yet assigned

Filed: July 11, 2005

Confirmation Number: 8335
X5

For: GENE SEQUENCE OF L-RHAMNOSE ISOMERASE HAVING NEW
CATALYTIC FUNCTION AND USE THEREOF

Attorney Docket Number: 052800
Customer Number: 38834

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97(b)

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Janunary 31, 2006

Sir:

In compliance with 37 C.F.R. §1.56, Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached PTO/SB/08. This paper is being filed within the time periods set forth in 37 C.F.R. §1.97(b). A copy of each non-U.S. document is enclosed herewith.

Please note that copies of references of cite No. 8-11 were previously omitted because it is believed that the references had been transmitted by the International Bureau.

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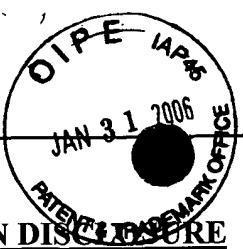
Respectfully submitted,

WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP

Sadao Kinashi
Sadao Kinashi

Attorney for Applicants
Registration No. 48,075
Telephone: (202) 822-1100
Facsimile: (202) 822-1111

SK/my
Enclosures: PTO/SB/08
13 Document(s)



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Completeness known

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Sheet

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of

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Attorney Docket Number

052800

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
1	JP	5112455			05-07-1993	SNOW BRAND MILK PROD CO., LTD, et al.	Abstract
2	JP	7285871			10-31-1995	MIKIMOTO PHARMACEUT CO., LTD.	Abstract
3	JP	57-129671			08-11-1982	Biospherics Incorporated	Abstract
4	JP	4198115			07-17-1992	SANSHO SEIYAKU CO., LTD.	Abstract
5	JP	2000103728			04-11-2000	SHISEIDO CO., LTD.	Abstract
6	JP	2286620			11-26-1990	RIIDE CHME K.K.	Abstract
7	EP	0560284	B1		07-09-1997	GODO Shusei Co., Ltd.	Yes

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
8		Bhuiyan, S.H., et al., "Preparation of L-Talose and D-Gulose from L-Tagatose and D-Sorbitose, Respectively, Using Immobilized L-Phmannose Isomerase", Journal of Bioscience and Bioengineering, Vol.88, No.5, p567-570, 1999	
9		Bhuiyan, S.H., et al., "Immobilization of L-Rhamnose Isomerase and Its Application in L-Mannose Production from L-Fructose", Journal of Fermentation and Bioengineering, Vol.84, No.6, p558-562, 1997	
10		Bhuiyan, S.H., et al., "D-Allose Production from D-Psicose Using Immobilized L-Rhamnose Isomerase", Journal of Fermentation and Bioengineering, Vol.85, No.5, p539-541, 1998	
11		Bhuiyan, S.H., et al., "Isolation of an L-Rhamnose Isomerase-Constitutive Mutant of Pseudomonas sp. Strain LL172: Purification and Characterization of the Enzyme" Journal Fermentation and Bioengineering, Vol.84, No.4, p319-323, 1997	
12		Shigeru MIO et al, "Synthetic Studies on (+)-Hydantocidin (3): A New Synthetic Method for Construction of the Spiro-Hydantoin Ring at the Anomeric Position of D-Ribofuranose", Tetrahedron Vol.47, No.12/13, p2133-2144, 1991	
13		Annie GROUILLER et al., "Synthesis of D-Psico-and D-Fructofuranosyl Nucleosides", Acta Chemica Scandinavica B., Vol.38, No. 5, p367-373, 1984	

Examiner Signature	Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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